

Sequence Range: 1 to 1689

```

      10      20      30      40
AAT CCT TTT CCT GGC ACC TCT GAT ATC CTT TTG AAA TTC ATC TTA AAG

 50      60      70      80      90
AAT CCC TAG GCT GCT ATC ACA TGT GGC ATC TTT GTT GAG TAC ATG AAT

100      110      120      130      140
AAA TCA ACT GGT GTG TTT TAC GAA GGA TGA TTA TGC TTC ATT GTG GGA

150      160      170      180      190
TTG TAT TTT TCT TCT TCT ATC ACA GGG AGA AGT GAA ATG ACA ACC TCA
Met Thr Thr Ser>

 200      210      220      230      240
CTA GAT ACA GTT GAG ACC TTT GGT ACC ACA TCC TAC TAT GAT GAC GTG
Leu Asp Thr Val Glu Thr Phe Gly Thr Thr Ser Tyr Tyr Asp Asp Val>

 250      260      270      280
GGC CTG CTC TGT GAA AAA GCT GAT ACC AGA GCA CTG ATG GCC CAG TTT
Gly Leu Leu Cys Glu Lys Ala Asp Thr Arg Ala Leu Met Ala Gln Phe>

290      300      310      320      330
GTG CCC CCG CTG TAC TCC CTG GTG TTC ACT GTG GCC CTC TTG GGC AAT
Val Pro Pro Leu Tyr Ser Leu Val Phe Thr Val Gly Leu Leu Gly Asn>

 340      350      360      370      380
GTG GTG GTG GTG ATG ATC CTC ATA AAA TAC AGG AGG CTC CGA ATT ATG
Val Val Val Val Met Ile Leu Ile Lys Tyr Arg Arg Leu Arg Ile Met>

 390      400      410      420      430
ACC AAC ATC TAC CTG CTC AAC CTG GCC ATT TCG GAC CTG CTC TTC CTC
Thr Asn Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Leu Phe Leu>

 440      450      460      470      480
GTC ACC CTT CCA TTC TGG ATC CAC TAT GTC AGG GGC CAT AAC TGG GTT
Val Thr Leu Pro Phe Trp Ile His Tyr Val Arg Gly His Asn Trp Val>

 490      500      510      520
TTT GGC CAT GGC ATG TGT AAG CTC CTC TCA GGG TTT TAT CAC ACA GGC
Phe Gly His Gly Met Cys Lys Leu Leu Ser Gly Phe Tyr His Thr Gly>

530      540      550      560      570
TTG TAC AGC GAG ATC TTT TTC ATA ATC CTG CTG ACA ATC GAC AGG TAC
Leu Tyr Ser Glu Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr>

 580      590      600      610      620
CTG GCC ATT GTC CAT GCT GTG TTT GCC CTT CGA GCC CGG ACT GTC ACT

```

FIGURE 1A

1210 1220 1230 1240
TCT GTC TCT CCA TCC ACA GCA GAG CCG GAA CTC TCT ATT GTC TTT TAG
Ser Val Ser Pro Ser Thr Ala Glu Pro Glu Leu Ser Ile Val Phe ...
1250 1260 1270 1280 1290
GTA GAT GCA GAA AAT TCC CTA AAG AGG AAG GAC CAA CGA GAT NAA GCA
1300 1310 1320 1330 1340
AAC ACA TTA AGC CTT CCA CAC TCA CCT CTA AAA CAG TCC TTC AAA CCT
1350 1360 1370 1380 1390
TCC AGT GCA ACA CTG AAG CTC TTA AGA CAC TGA AAT ATA CAC ACA GCA
1400 1410 1420 1430 1440
GTA GCA GTA GAT GCA TGT ACC CTA AGG TCA TTA CCA CAG GCC AGG GCT
1450 1460 1470 1480
GGG CAG CGT ACT CAT CAT CAA CCT AAA AAG CAG AGC TTT GCT TCT CTC
1490 1500 1510 1520 1530
TCT AAA ATG AGT TAC CTA TAT TTT AAT GCA CCT GAA TGT TAG ATA GTT
1540 1550 1560 1570 1580
ACT ATA TGC CCG TAC AAA AAG GTA AAA CTT TTT ATA TTT TAT ACA ITA
1590 1600 1610 1620 1630
ACT TCA GCC AGC TAT TAT ATA AAT AAA ACA TTT TCA CAC AAT ACA ATA
1640 1650 1660 1670 1680
AGT TAA CTA TTT TAT TTT CTA ATG TGC CTA GTT CTT TCC CTG CTT AAT
GAA AAG CTT

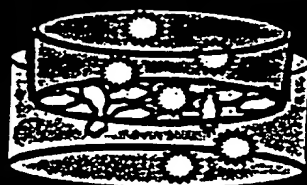
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 70 80 90 100 110
 TACTTAGAAG AGATTTTCAG GGAGAAGTGA A ATG ACA ACC TCA CTA GAT ACA GTT
 M T T S L D T V>
 120 130 140 150 160
 GAG ACC TTT GGT ACC ACA TCC TAC TAT GAT GAC GTG GGC CTG CTC TGT
 E T F G T T S Y Y D D V G L L C>
 170 180 190 200 210
 GAA AAA GCT GAT ACC AGA GCA CTG ATG GCC CAG TTT GTG CCC CCG CTG
 E K A D T R A L M A Q F V P P L>
 220 230 240 250
 TAC TCC CTG GTG TTC ACT GTG GGC CTC TTG GGC AAT GTG GTG GTG GTG
 Y S L V F T V G L L G N V V V V>
 260 270 280 290 300
 ATG ATC CTC ATA AAA TAC AGG AGG CTC CGA ATT ATG ACC AAC ATC TAC
 M I L I K Y R R L R I M T N I Y>
 310 320 330 340 350
 CTG CTC AAC CTG GCC ATT TCG GAC CTG CTC TTC CTC GTC ACC CTT CCA
 L L N L A I S D L L F L V T L P>
 360 370 380 390 400
 TTC TGG ATC CAC TAT GTC AGG GGG CAT AAC TGG GTT TTT GGC CAT GGC
 F W I H Y V R G H N W V F G H G>
 410 420 430 440 450
 ATG TGT AAG CTC CTC TCA GGG TTT TAT CAC ACA GGC TTG TAC AGC GAG
 M C K L L S G F Y H T G L Y S E>
 460 470 480 490
 ATC TTT TTC ATA ATC CTG CTG ACA ATC GAC AGG TAC CTG GCC ATT GTC
 I F F I I L L T I D R Y L A I V>
 500 510 520 530 540
 CAT GCT GTG TTT GCC CTT CGA GCC CGG ACT GTC ACT TTT GGT GTC ATC
 H A V F A L R A R T V T F G V I>
 550 560 570 580 590
 ACC AGC ATC GTC ACC TGG GGC CTG GCA GTG CTA GCA GCT CTT CCT GAA
 T S I V T W G L A V L A A L P E>

FIGURE 2A

600 610 620 630 640
 * * * * *
 TTT ATC TTC TAT GAG ACT GAA GAG TTG TTT GAA GAG ACT CTT TGC AGT
 F I F Y E T E E L F E E T L C S>
 650 660 670 680 690
 * * * * *
 GCT CTT TAC CCA GAG GAT ACA GTA TAT AGC TGG AGG CAT TTC CAC ACT
 A L Y P E D T V Y S W R H F H T>
 700 710 720 730
 * * * *
 CTG AGA ATG ACC ATC TTC TGT CTC GTT CTC CCT CTG CTC GTT ATG GCC
 L R M T I F C L V L P L L V M A>
 740 750 760 770 780
 * * * * *
 ATC TGC TAC ACA GGA ATC ATC AAA ACG CTG CTG AGG TGC CCC AGT AAA
 I C Y T G I I K T L L R C P S K>
 790 800 810 820 830
 * * * * *
 AAA AAG TAC AAG GCC ATC CGG CTC ATT TTT GTC ATC ATG GCG GTG TTT
 K K Y K A I R L I F V I M A V F>
 840 850 860 870 880
 * * * * *
 TTC ATT TTC TGG ACA CCC TAC AAT GTG GCT ATC CTT CTC TCT TCC TAT
 F I F W T P Y N V A I L L S S Y>
 890 900 910 920 930
 * * * * *
 CAA TCC ATC TTA TTT GGA AAT GAC TGT GAG CGG AGC AAG CAT CTG GAC
 Q S I L F G N D C E R S K H L D>
 940 950 960 970
 * * * *
 CTG GTC ATG CTG GTG ACA GAG GTG ATC GCC TAC TCC CAC TGC TGC-ATG
 L V M L V T E V I A Y S H C C M>
 980 990 1000 1010 1020
 * * * * *
 AAC CCG GTG ATC TAC GCC TTT GTT GGA GAG AGG TTC CCG AAG TAC CTG
 N P V I Y A F V G E R F R K Y L>
 1030 1040 1050 1060 1070
 * * * * *
 CGC CAC TTC TTC CAC AGG CAC TTG CTC ATG CAC CTG GGC AGA TAC ATC
 R H F F H R H L L M H L G R Y I>
 1080 1090 1100 1110 1120
 * * * * *
 CCA TTC CTT CCT AGT GAG AAG CTG GAA AGA ACC AGC TCT GTC TCT CCA
 P F L P S E K L E R T S S V S P>
 1130 1140 1150 1160 1170
 * * * * *
 TCC ACA GCA GAG CCG GAA CTC TCT ATT GTG TTT TAG G TAGATGCAGA
 S T A E P E L S I V F *>
 1180 1190
 * *
 AAATTGCCTA AAGAGGAAGG ACC

FIGURE 2B

A simple leukocyte transendothelial assay for measuring chemotaxis



Insert (cells)

polycarbonate membrane, ECV304 endothelial cells

Bottom chamber (chemokine)

analysis

FIGURE 3

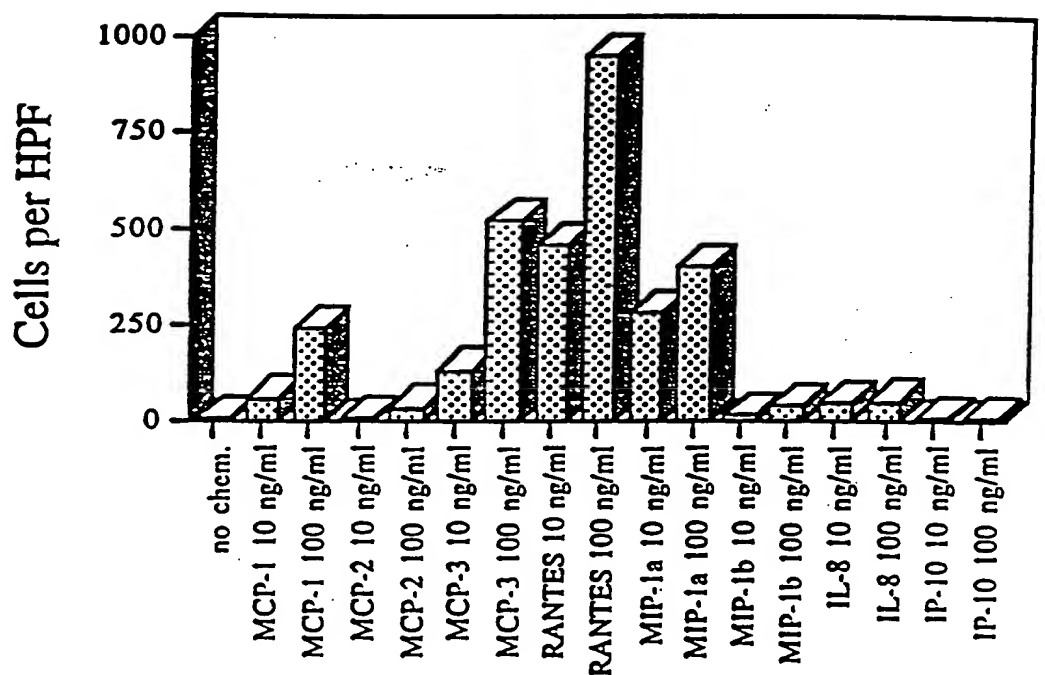


FIGURE 4

Expression of Eos L2 on stably transfected L1-2 cells

Flag staining of different clones

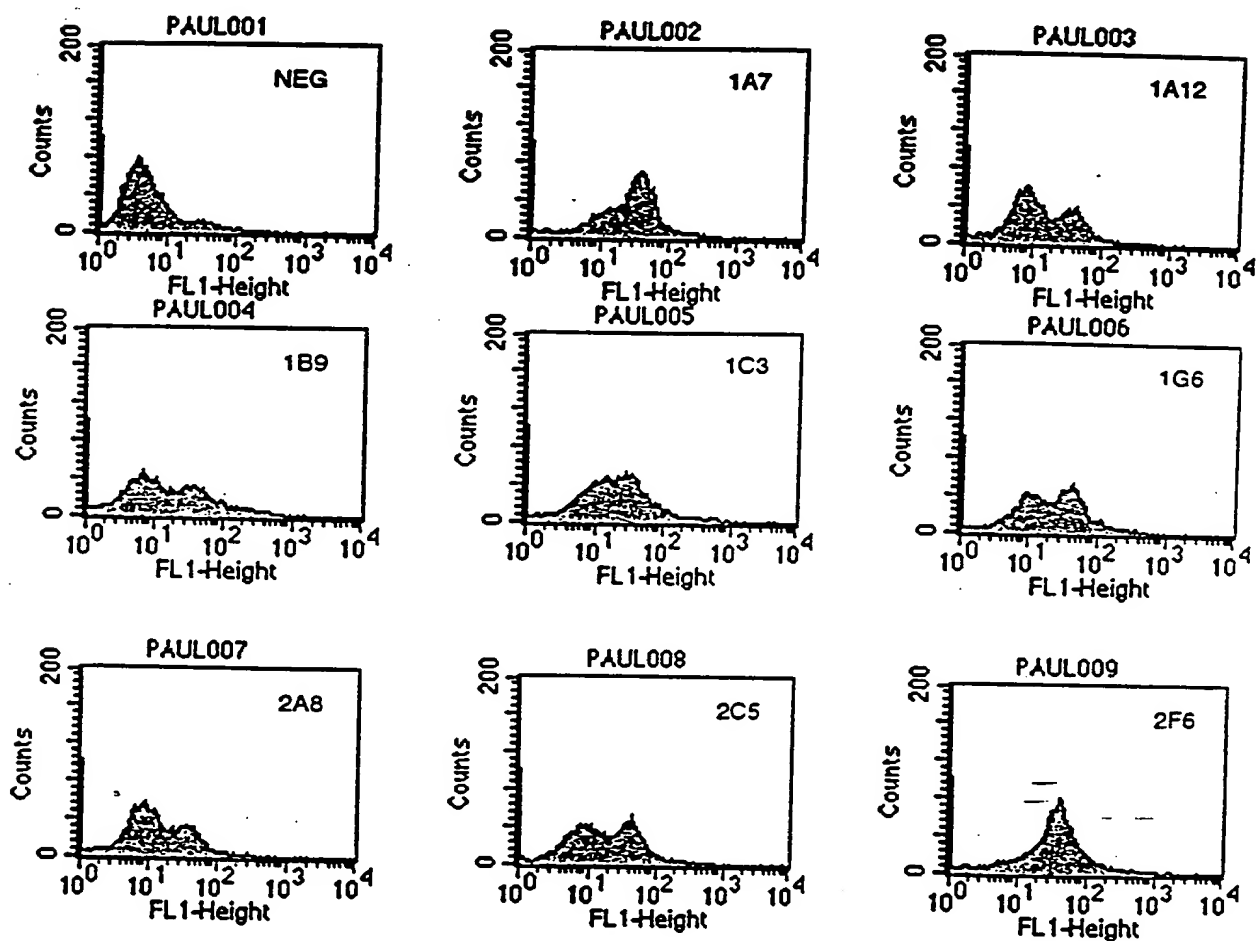


FIGURE 5

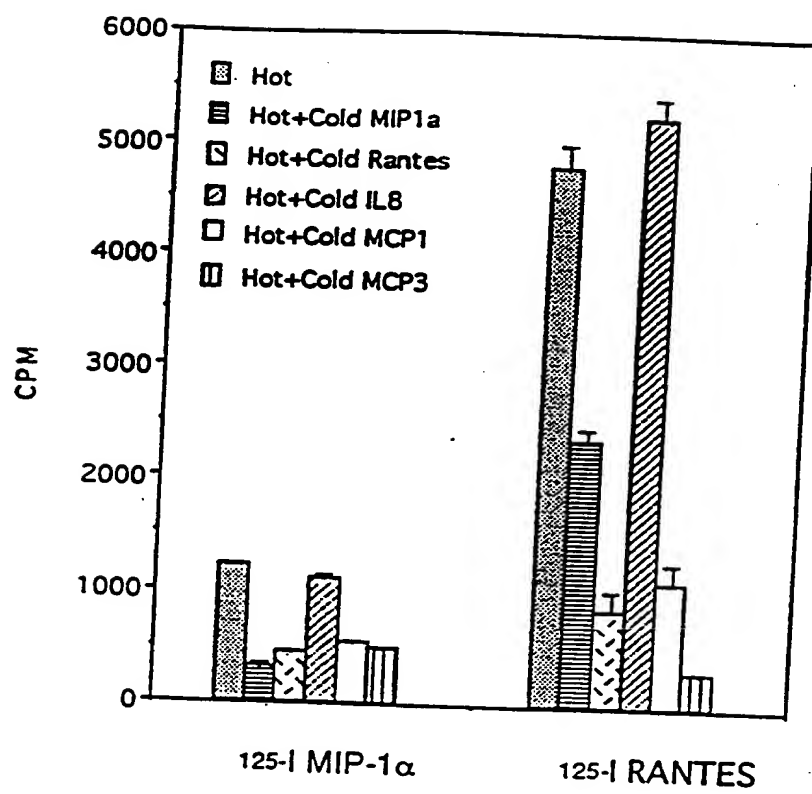


FIGURE 6

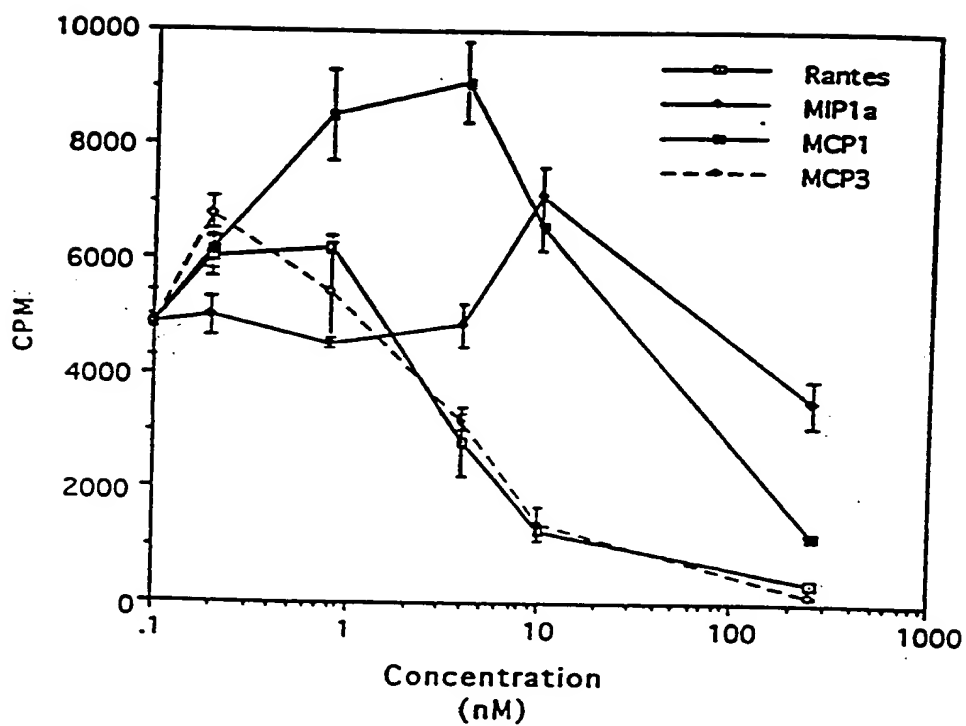


FIGURE 7

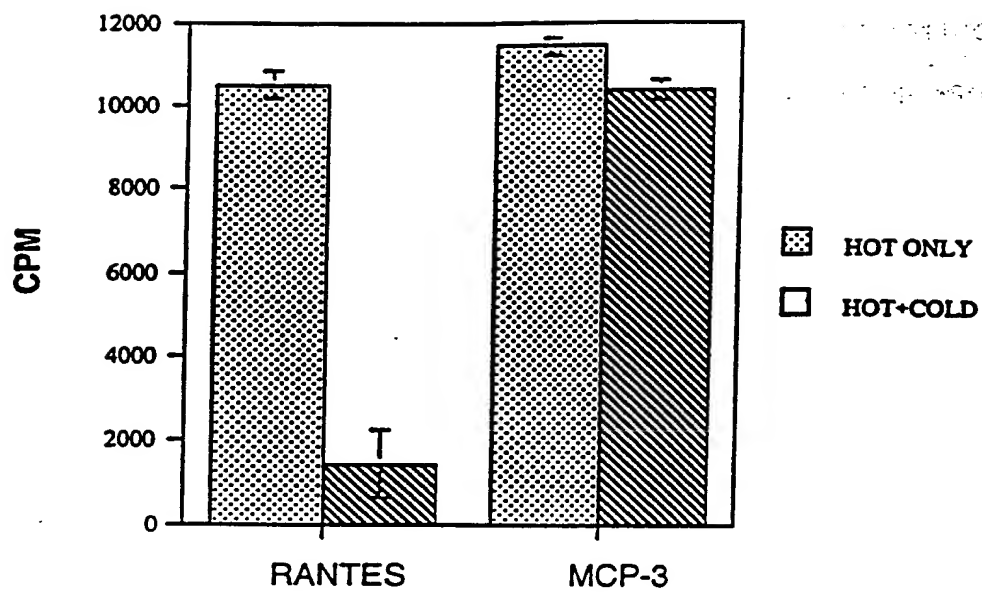


FIGURE 8

FIGURE 9D

Fluorescence intensity →

FIGURE 10C

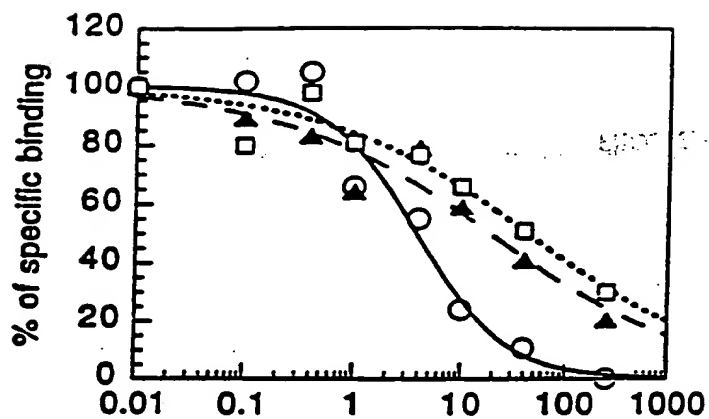


FIGURE 11A

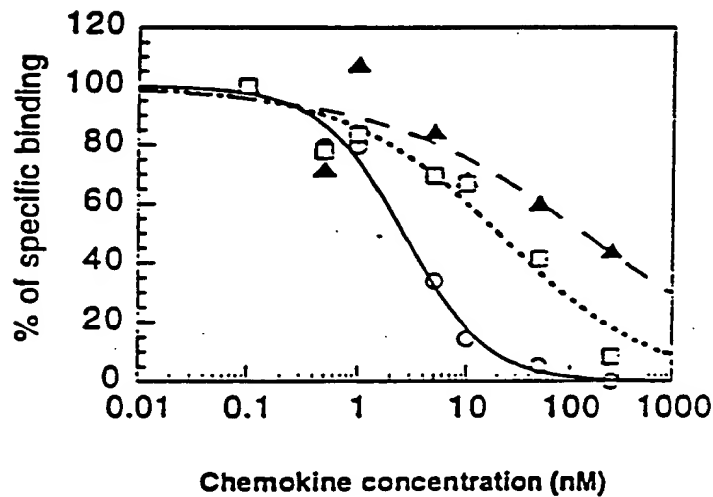


FIGURE 11B

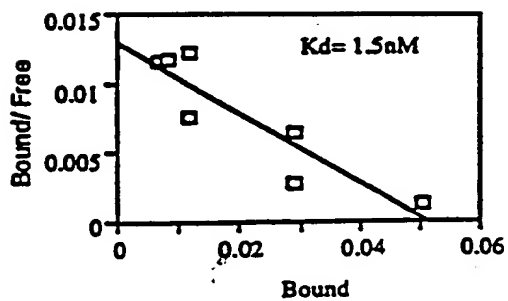


FIGURE 11C

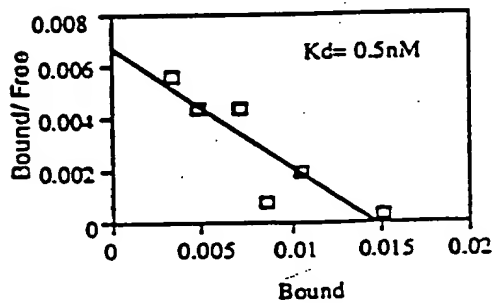


FIGURE 11D

46607 3336960

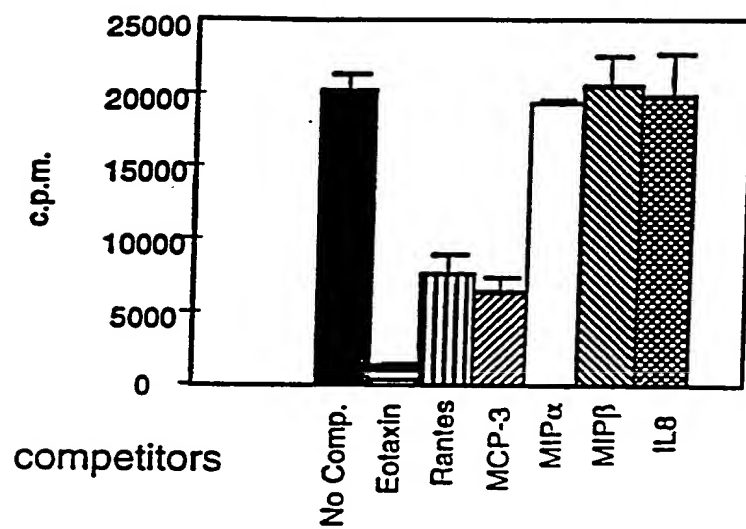


FIGURE 12

26077 9936960

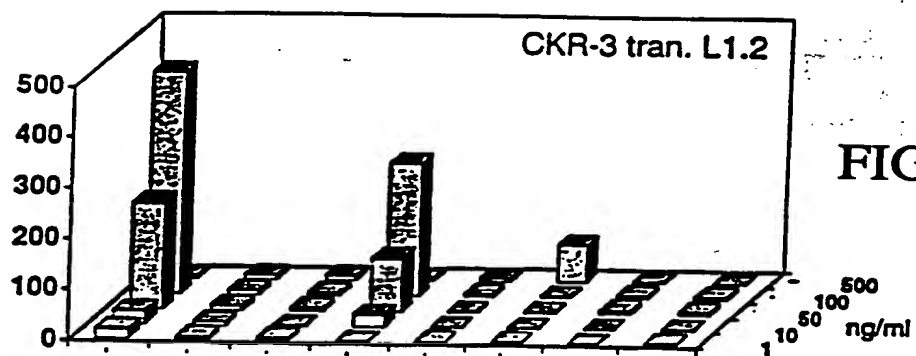


FIGURE 13A

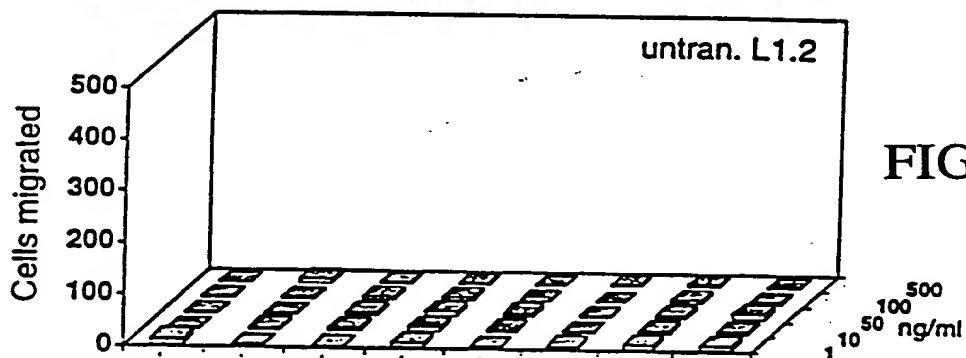


FIGURE 13B

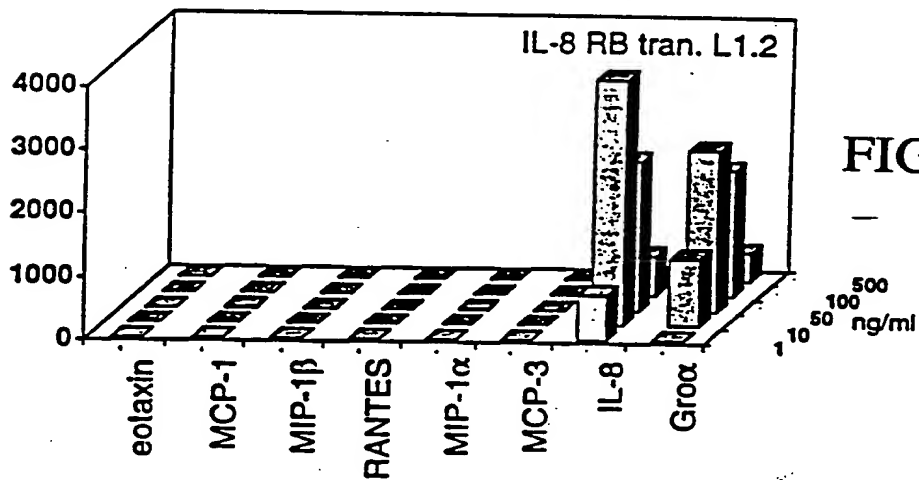


FIGURE 13C

26607 3336960

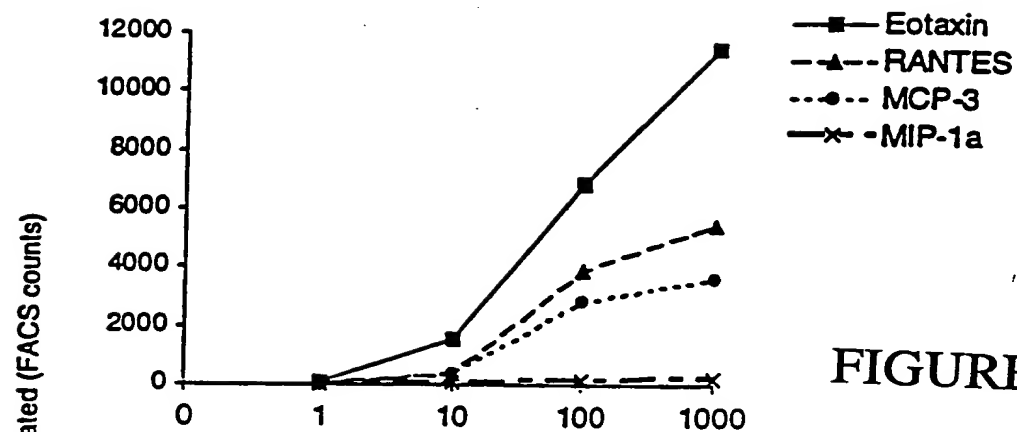


FIGURE 14A

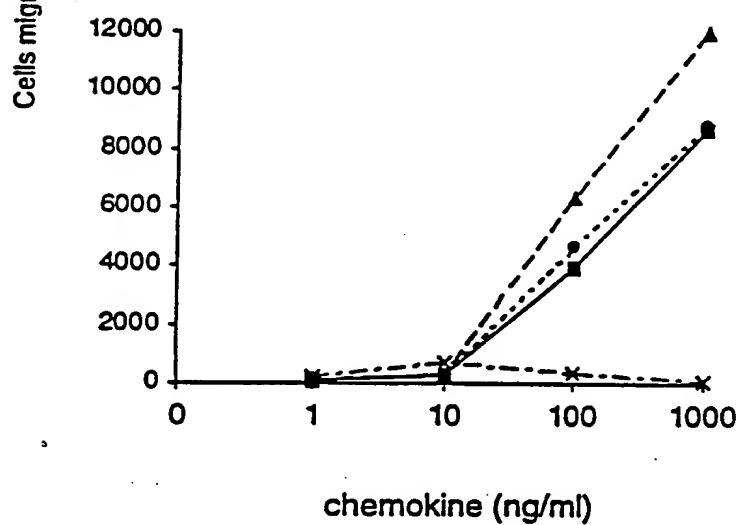


FIGURE 14B

6607 333600

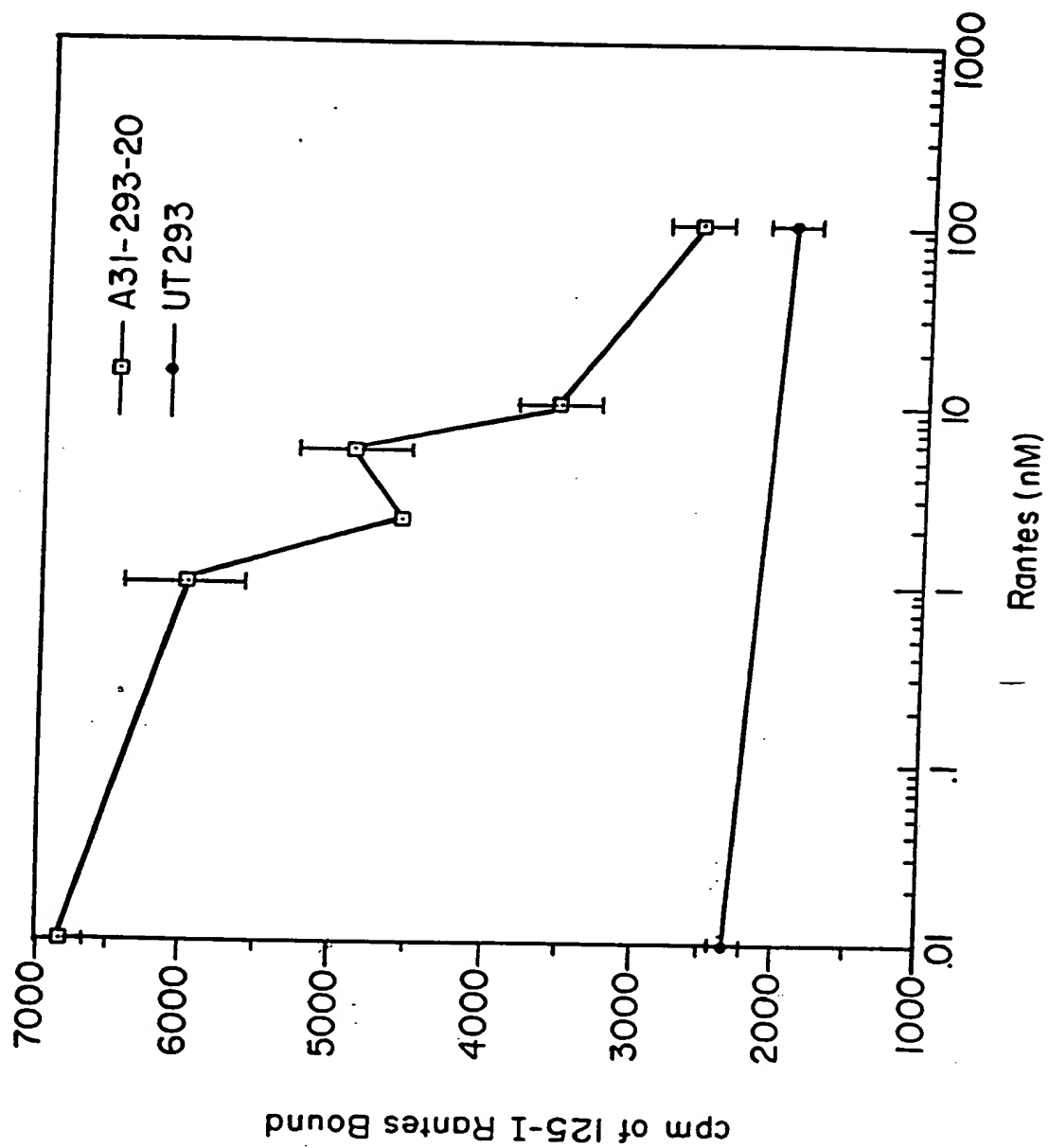


FIGURE 15

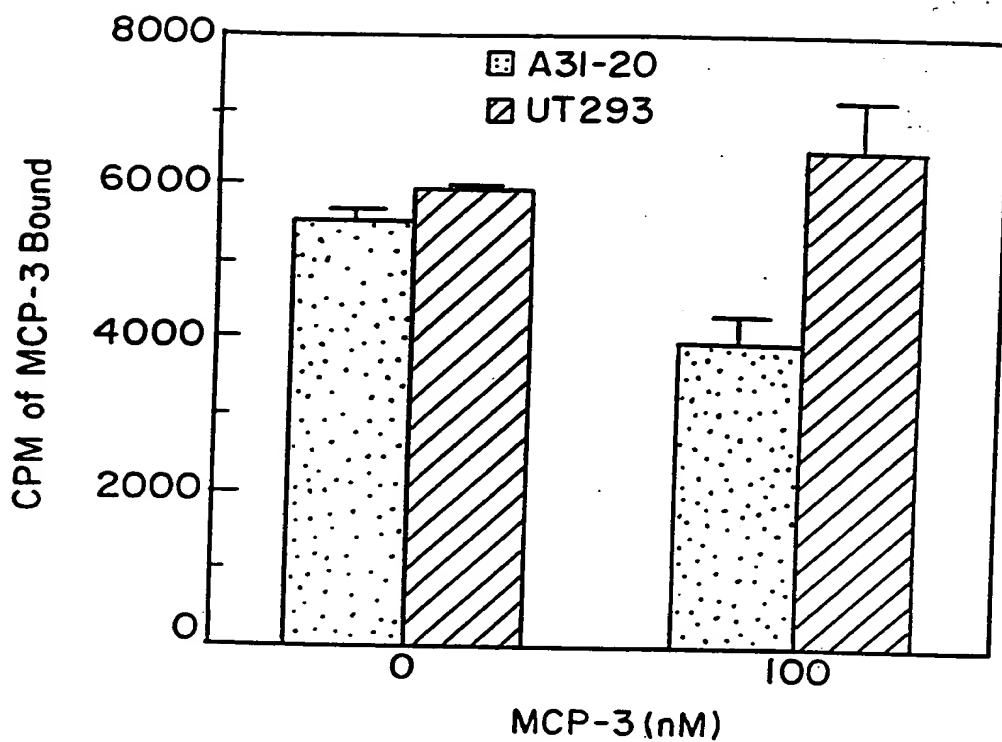


FIGURE 16

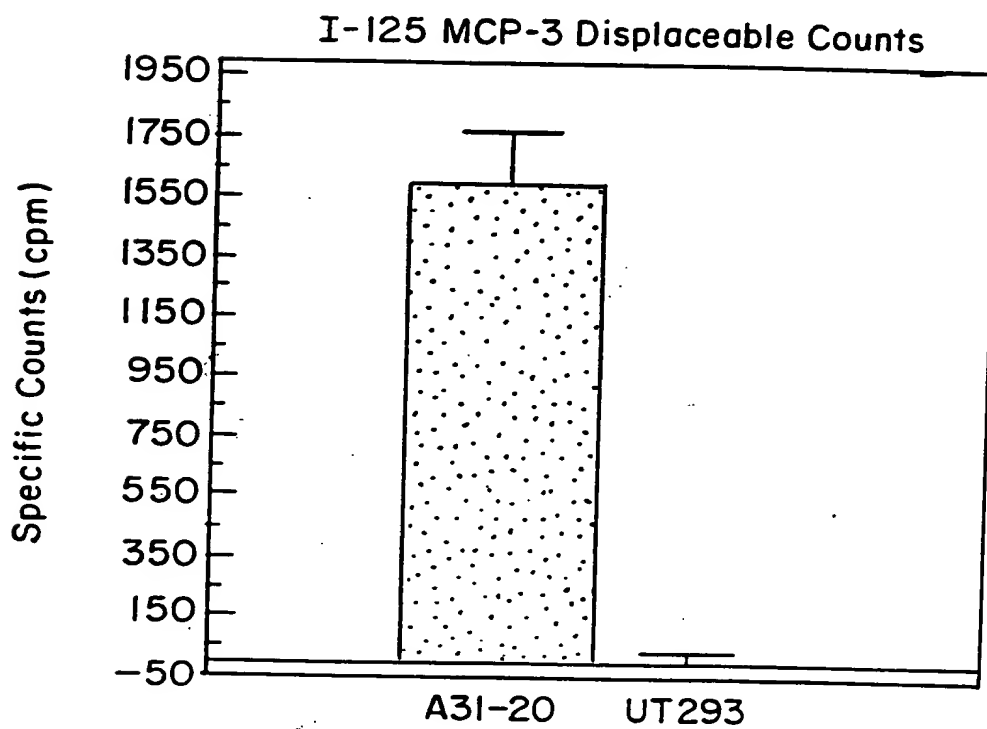


FIGURE 17

7B11: a monoclonal antibody that specifically recognizes CCR3 and stains eosinophils

L1.2 Transfectants

Leukocytes

FIGURE 18A

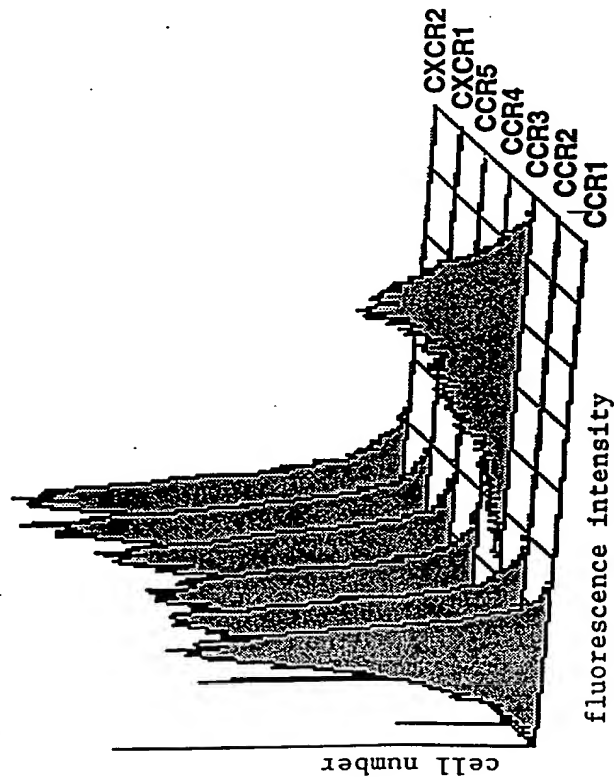
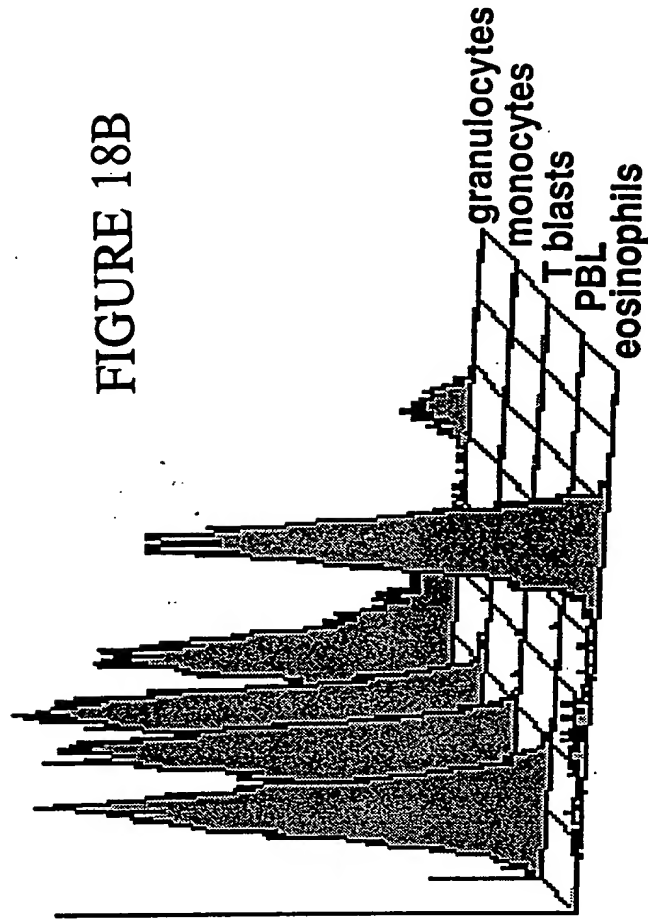


FIGURE 18B



Fluorescence intensity 7B11 →

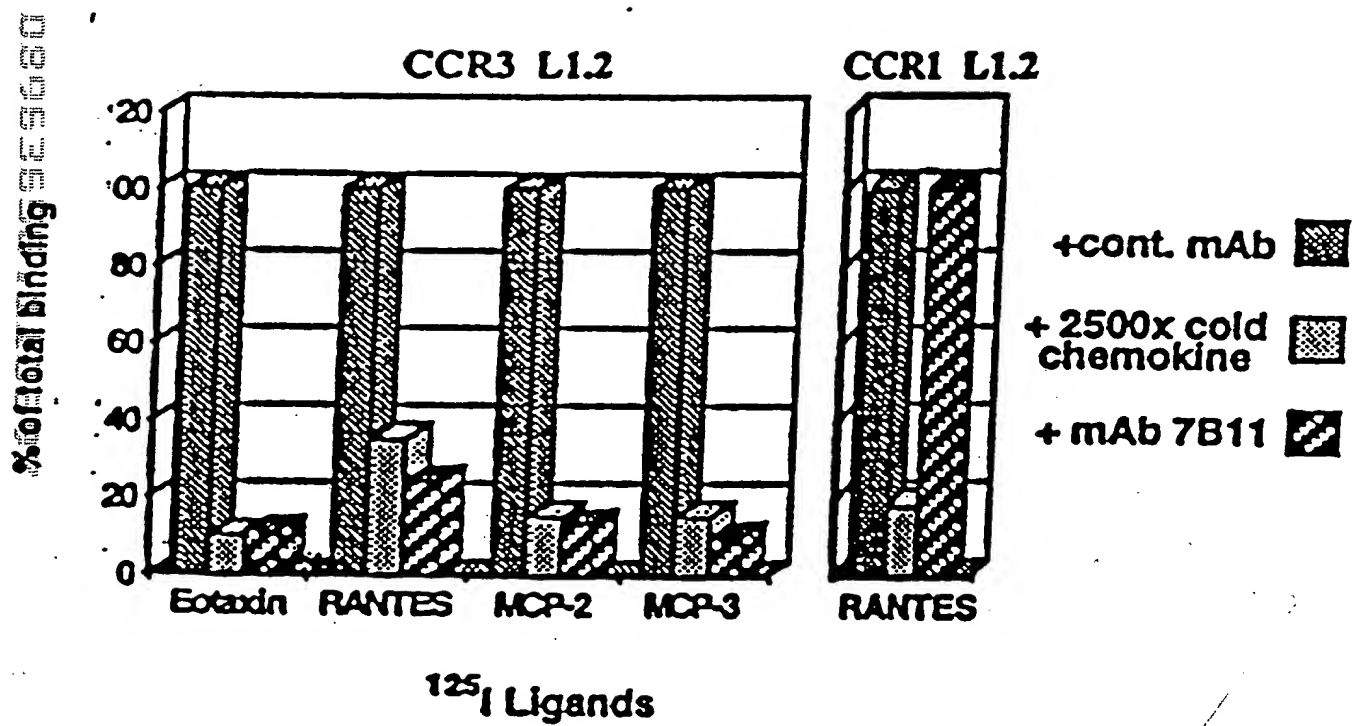


FIGURE 18C

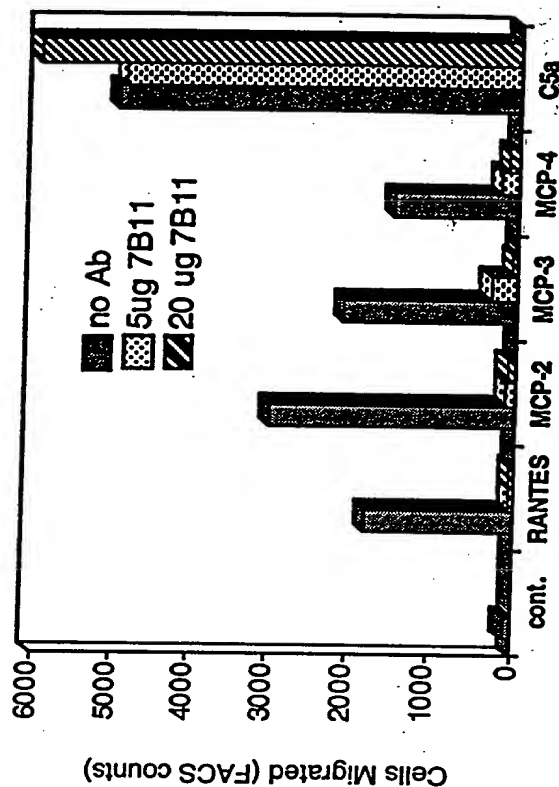
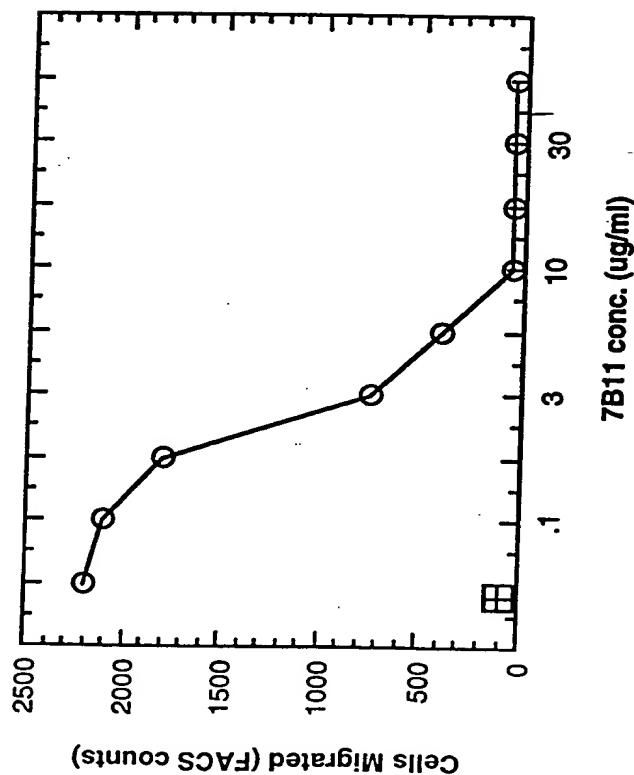
Figure 1 is a line graph showing the inhibition of 7B11 antibody binding to Eotaxin by RANTES and MCP-3. The y-axis represents '% of total binding' (0 to 120), and the x-axis represents 'mAb 7B11 concentration (ng/ml)' on a logarithmic scale (0.1 to 1000). Three curves are plotted: 'Hot Eotaxin' (solid line with circles), 'Hot RANTES' (dashed line with squares), and 'Hot MCP-3' (dashed line with triangles). All curves show a decrease in binding as mAb concentration increases, with Eotaxin showing the most significant inhibition.

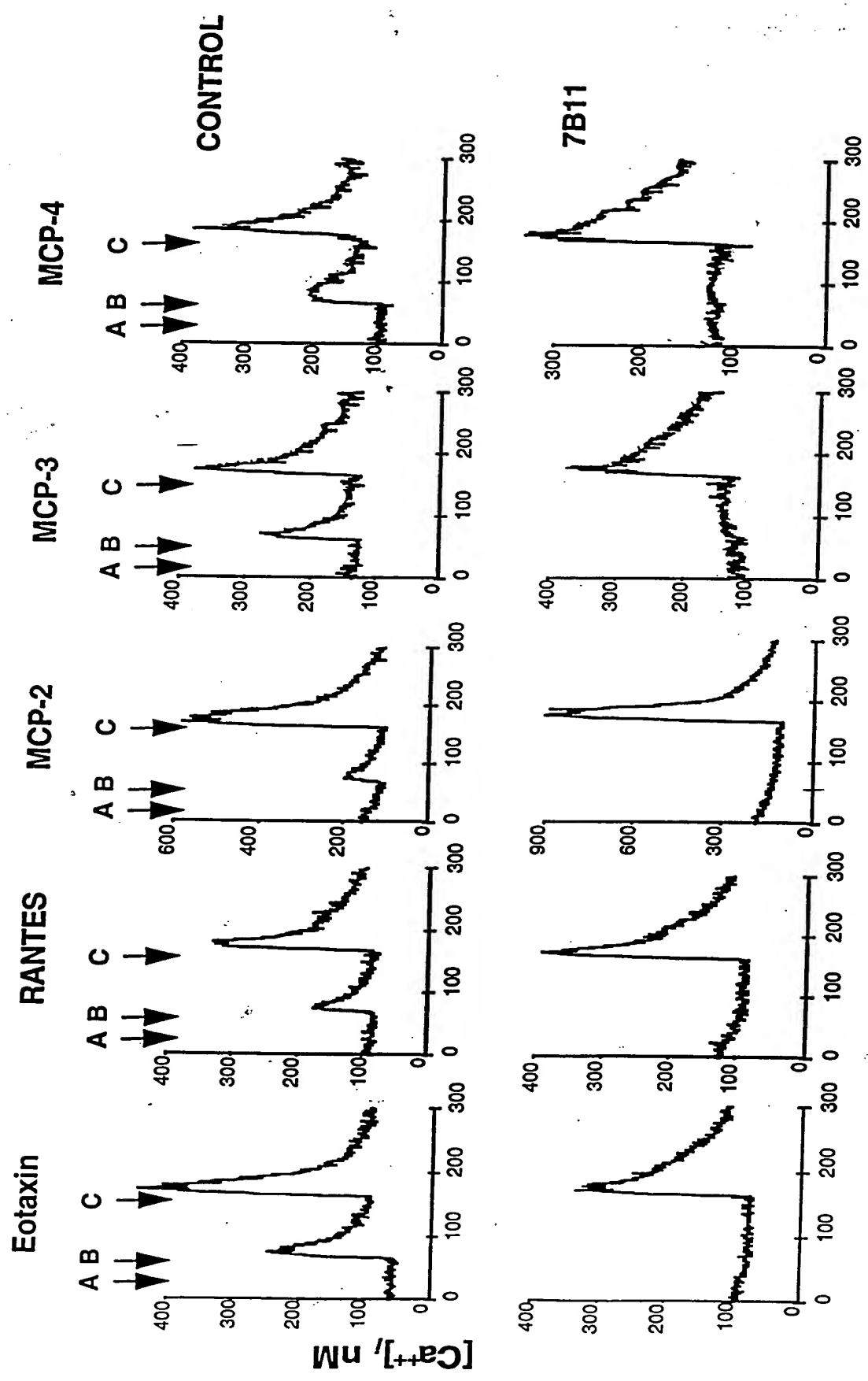
mAb 7B11 concentration (ng/ml)	Hot Eotaxin (% of total binding)	Hot RANTES (% of total binding)	Hot MCP-3 (% of total binding)
0.1	100	100	100
0.2	100	18	25
1	115	88	82
5	100	70	75
10	95	62	58
50	20	10	35
100	10	8	25
500	8	8	10

FIGURE 19

Inhibition of eosinophil chemotaxis to CC chemokines by mAb 7B11

FIGURE 20A eotaxin migration FIGURE 20B other eos. chemoattractants





Time (sec)

FIGURE 21

FIGURE 22A

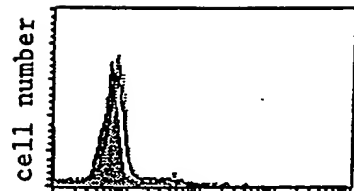


FIGURE 22B

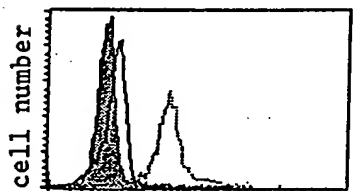


FIGURE 22C

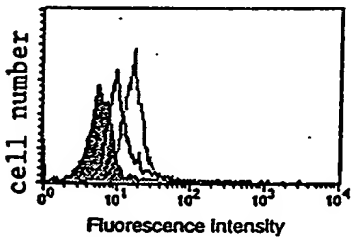
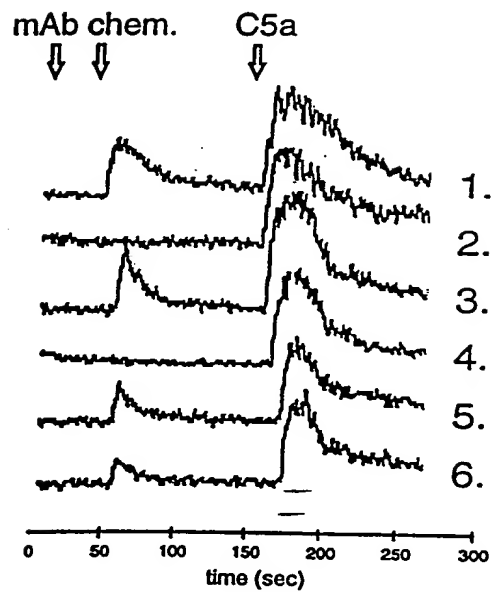


FIGURE 22D



600T 99999999

FIGURE 23A

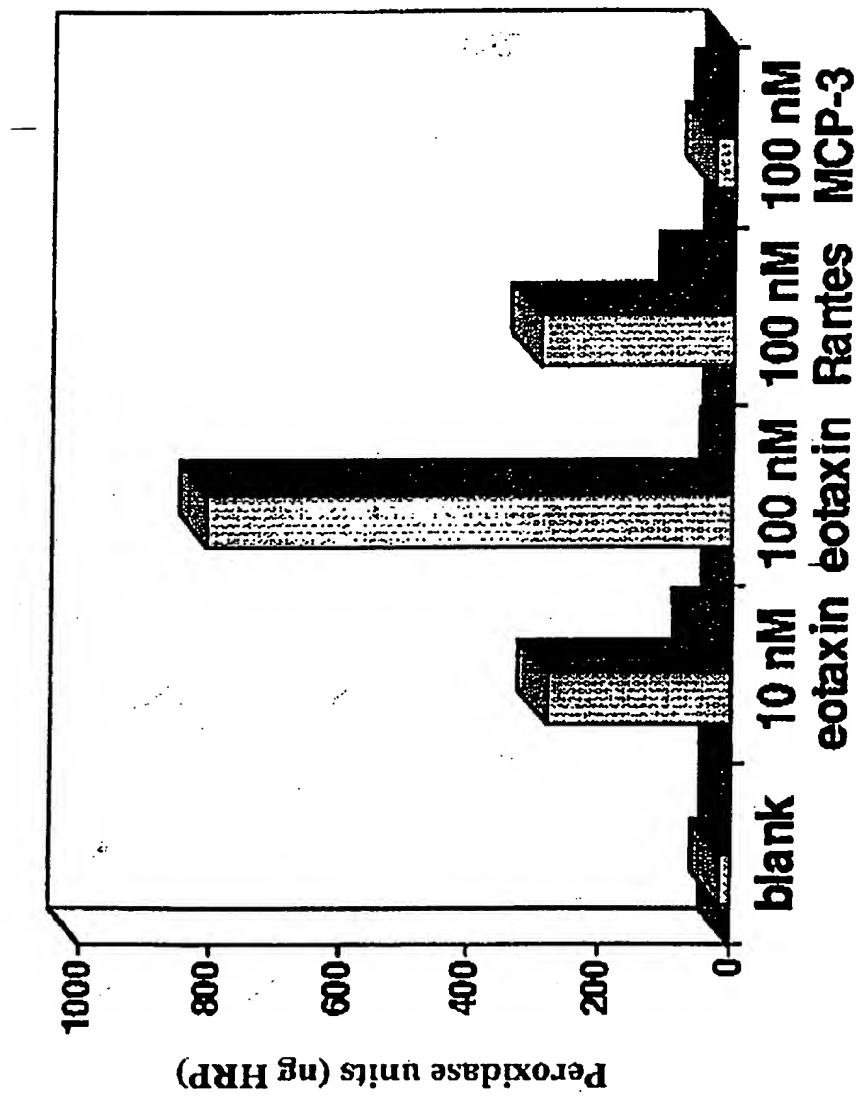
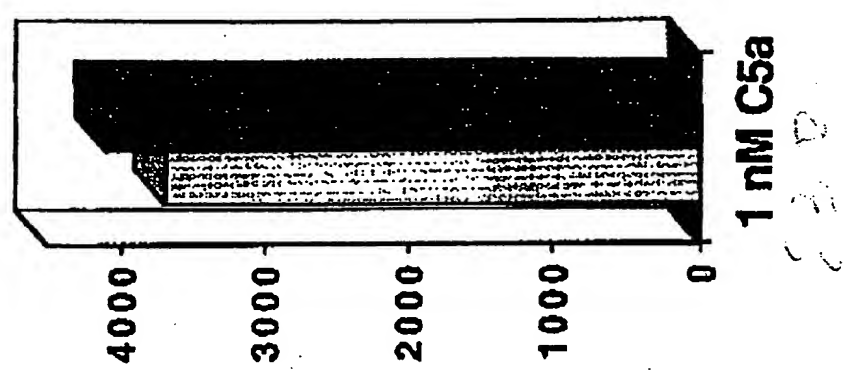


FIGURE 23B



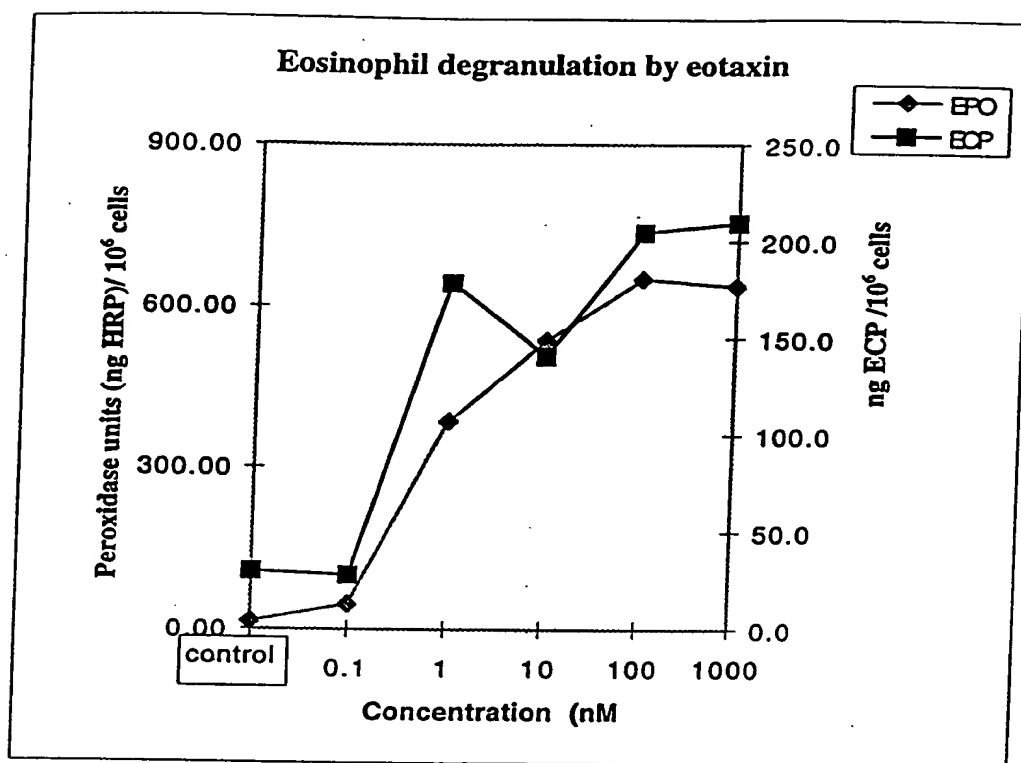


FIGURE 24A

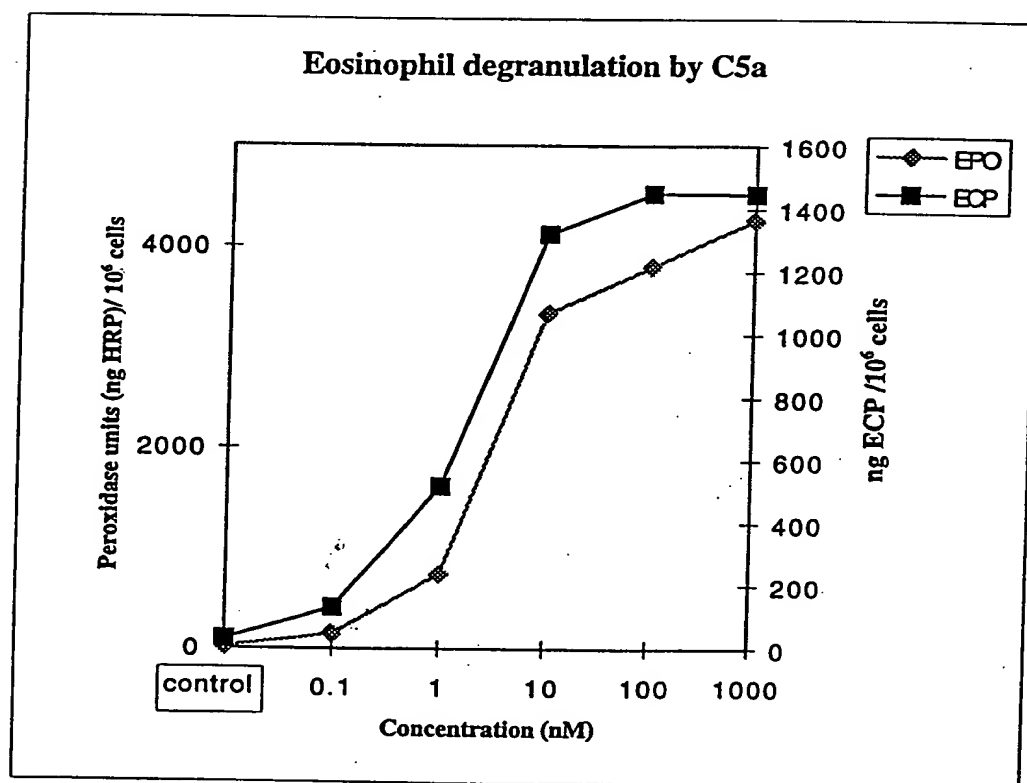


FIGURE 24B

Enzyme release from eosinophil specific granules by eotaxin

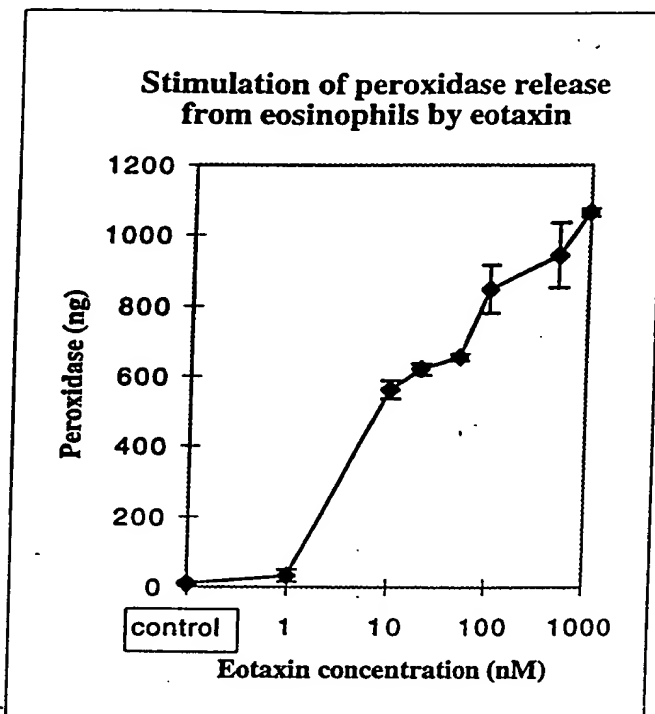


FIGURE 25

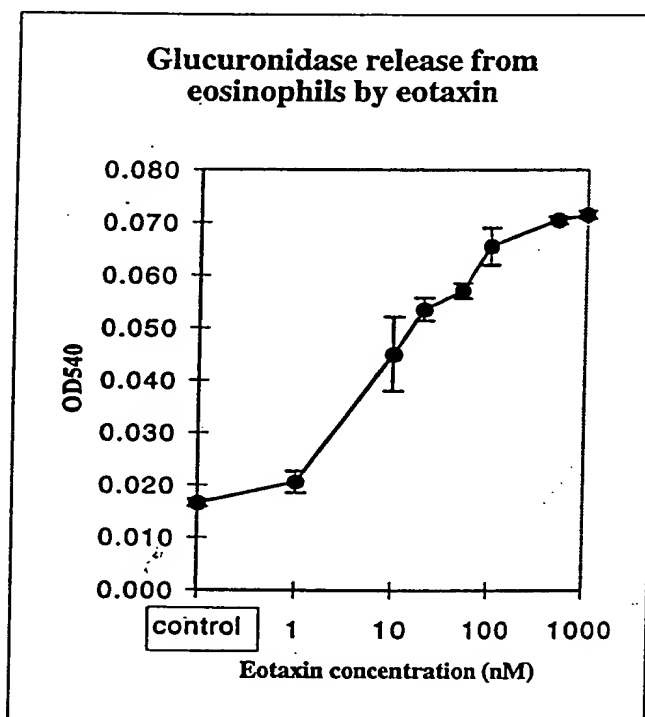


FIGURE 26

Enzyme release from eosinophil small granules by eotaxin

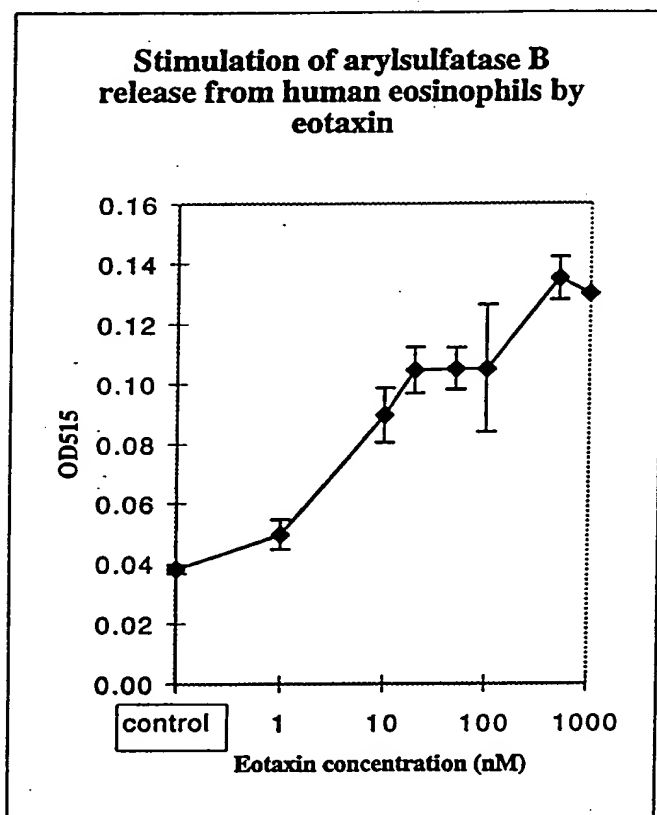


FIGURE 27

46077 35563000

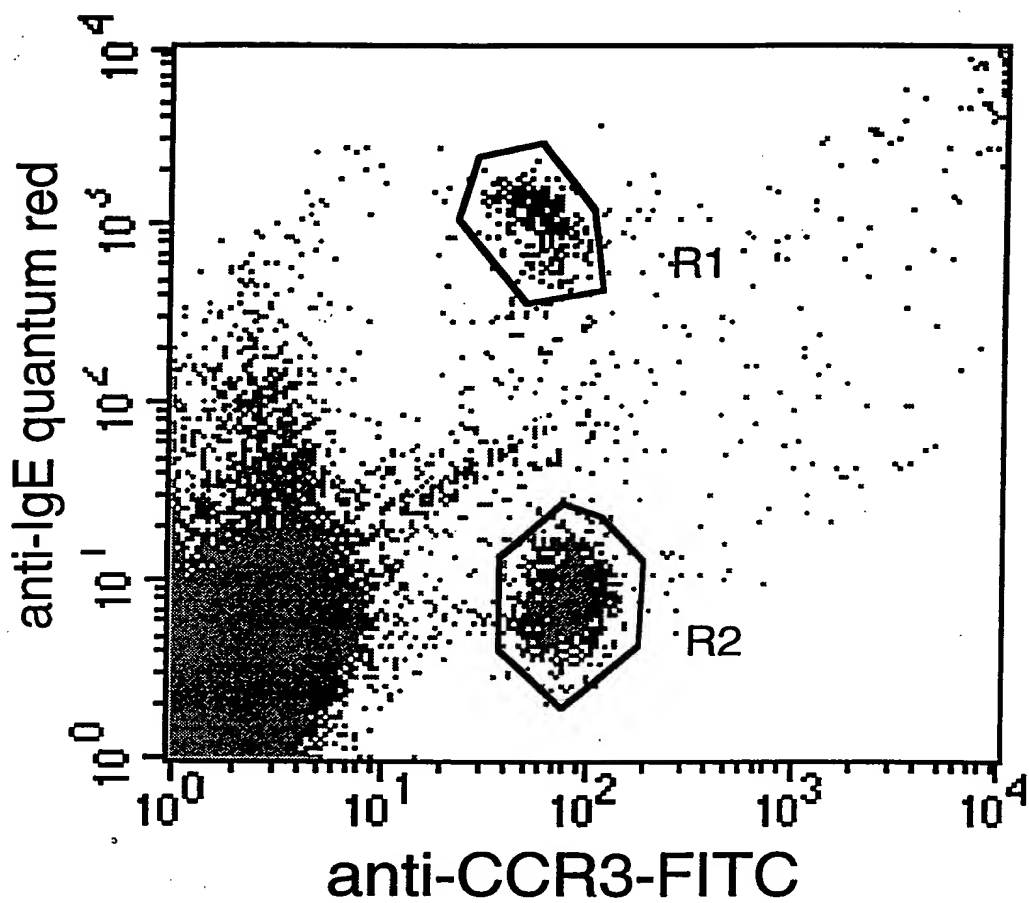


FIGURE 28

Histamine release by human basophils in response to chemokines

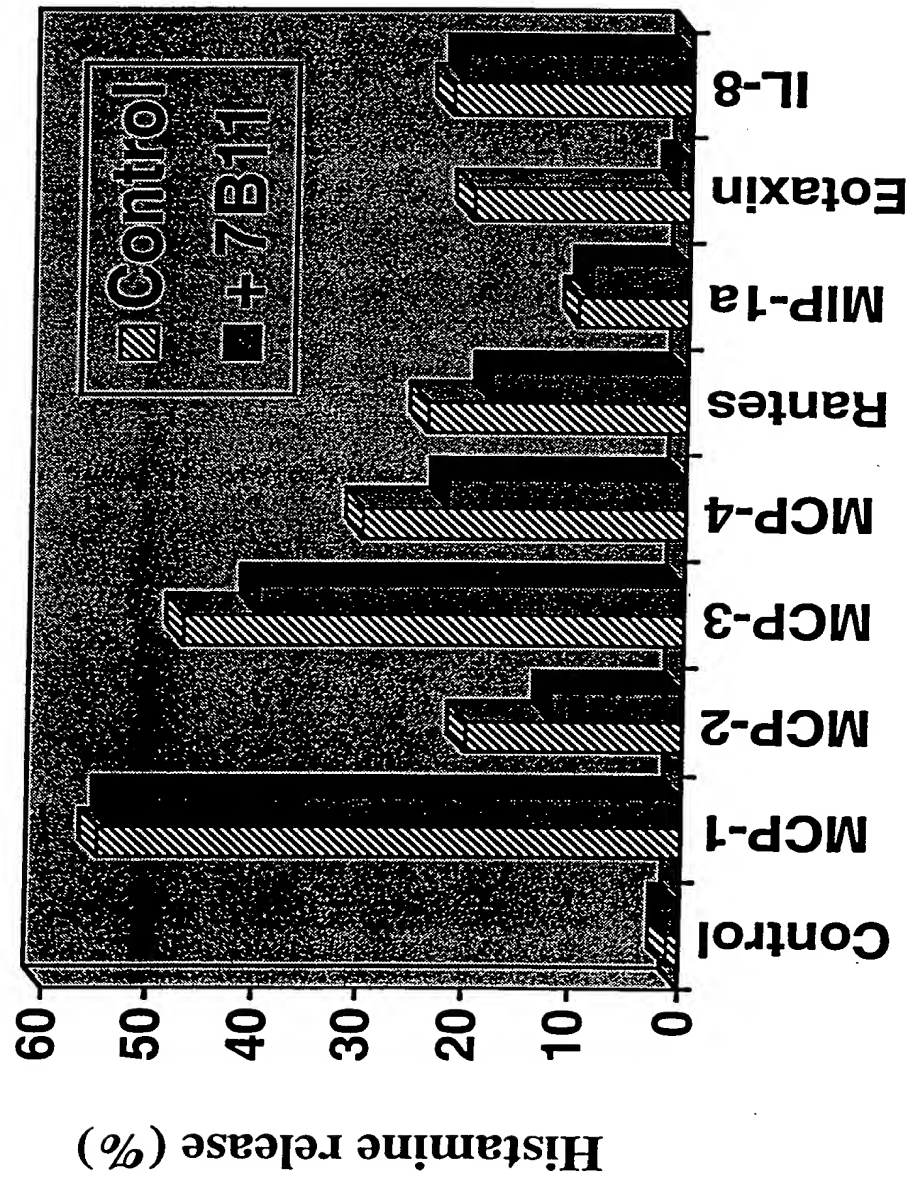


FIGURE 29

Basophils chemotax to eotaxin and MCP-4 Blockade with anti-CCR3 mAb 7B11

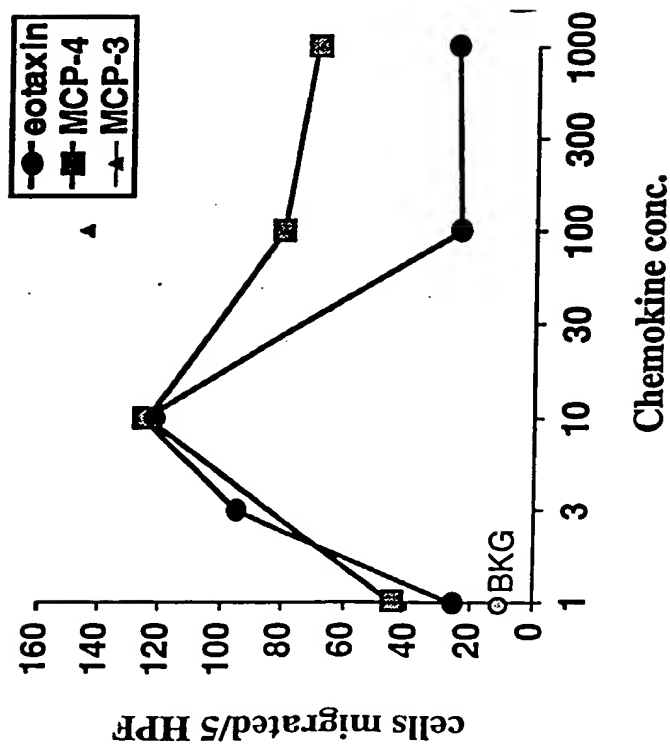


FIGURE 30A

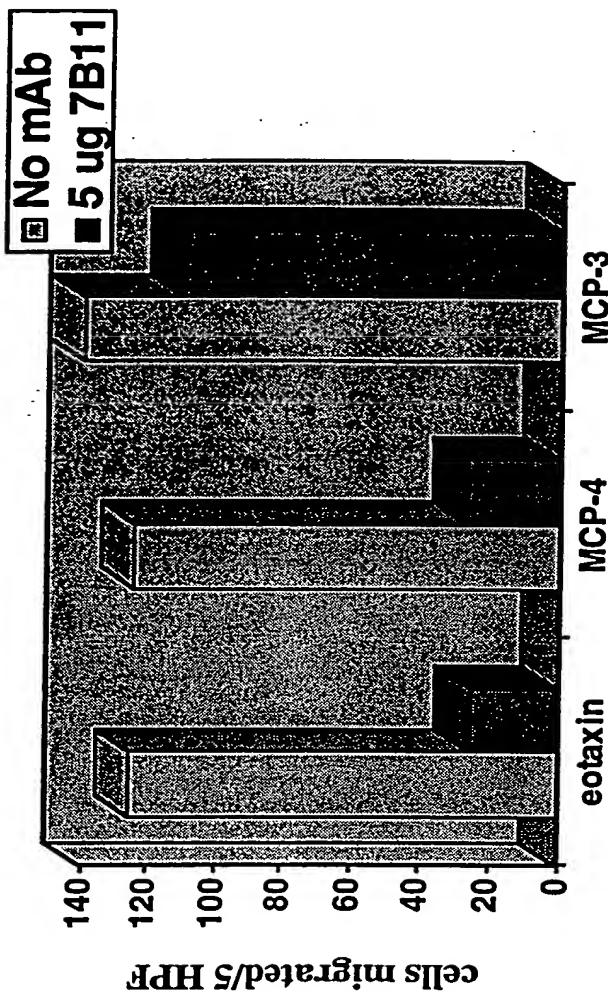


FIGURE 30B